

Claim Amendments

1. (Currently Amended) A display system comprising:

a transmissive display screen;

a transparent panel having a backside and an anti-glare front surface configured to diffuse ambient light; and

a bulk diffuser disposed between the transmissive display screen and the backside, wherein the bulk diffuser is bonded to at least one of the transmissive display screen and the transparent panel, ~~and the bulk diffuser is configured to diffuse image light originating from a backlight of the display;~~ wherein the bulk diffuser comprises a diffusive material configured to scatter light within the diffusive material.
2. (Original) The system of claim 1, wherein the transmissive display screen comprises a liquid crystal display screen.
3. (Original) The system of claim 1, wherein the transparent panel comprises a glass panel.
4. (Withdrawn) The system of claim 1, wherein the transparent panel comprises a molded plastic panel.
5. (Original) The system of claim 1, comprising an anti-reflective layer disposed on the anti-glare front surface.
6. (Original) The system of claim 1, wherein the anti-glare front surface comprises a surface texture.
7. (Original) The system of claim 6, wherein the surface texture comprises a chemically etched surface texture.

8. (Withdrawn) The system of claim 6, wherein the surface texture comprises a mechanically ground surface texture.
9. (Withdrawn) The system of claim 6, wherein the surface texture comprises a molded surface texture.
10. (Original) The system of claim 6, wherein the bulk diffuser is configured to reduce undesirable optical effects caused by the surface texture.
11. (Cancelled)
12. (Previously Presented) The system of claim 1, comprising an index-matched bond material disposed on opposite surfaces of the bulk diffuser with the bond material on one surface of the bulk diffuser bonding the diffuser to at least one of the transmissive display screen and the transparent panel.
13. (Original) The system of claim 12, wherein the index-matched bond material is substantially bubble-free.
14. (Original) The system of claim 12, wherein the index-matched bond material comprises an epoxy.
15. (Previously Presented) The system of claim 1, comprising a first index matched bond layer bonding one surface of the bulk diffuser to the transmissive display screen and a second index matched bond layer bonding an opposite surface of the bulk diffuser to the transparent panel.
- 16-57. (Cancelled)
58. (Withdrawn) The system of claim 1 further comprising:
a plurality of elongated lamps positioned behind the transmissive display screen;

a diffuser screen positioned between the display screen and the plurality of elongated lamps; and

a reflector panel positioned behind the plurality of elongated lamps.

59. (Withdrawn) The system of claim 1 wherein:

the bulk diffuser is positioned between, and bonded to, both the transmissive display screen and the transparent panel;

the display screen comprises a liquid crystal display;

the transparent panel comprises a transparent glass panel having a surface textured to diffuse ambient light and having the textured surface coated with an anti-reflective coating; and

the bulk diffuser is bonded to a surface of the anti-glare front layer opposite the textured surface using an index matched epoxy.

60. (Withdrawn) The system of claim 12 formed by:

flowing the bond material onto a side portion of a first bond surface that is a surface of one of the bulk diffuser, the transmissive display screen, and the transparent panel;

aligning a feature of a second bond surface with a feature of the first bond surface to form a wedge shaped junction between the first and second bond surfaces;

rotating and pressing the second bond surface onto the first bond surface starting from the junction and proceeding evenly across the second bond surface to form a substantially uniform bond layer of the bond material between the first and second bond surfaces; and

curing the bond material;

wherein either the first bond surface or the second bond surface is a surface of the bulk diffuser.

61. (New) The system of claim 2 wherein:
the transparent panel comprises a transparent glass panel having a surface textured to diffuse ambient light and having the textured surface coated with an anti-reflective coating.
62. (New) The system of claim 61 wherein:
the bulk diffuser is positioned between, and bonded to, both the liquid crystal display screen and the transparent glass panel; and
the bulk diffuser is bonded to a surface of the anti-glare front layer opposite the textured surface using an index matched epoxy.
63. (New) The system of claim 62 further comprising:
a plurality of elongated lamps positioned behind the liquid crystal display screen;
a diffuser screen positioned between the liquid crystal display screen and the plurality of elongated lamps; and
a reflector panel positioned behind the plurality of elongated lamps.
64. (New) The system of claim 3 wherein:
the glass panel has a surface textured to diffuse ambient light and having the textured surface coated with an anti-reflective coating.
65. (New) The system of claim 64 wherein:
the bulk diffuser is positioned between, and bonded to, both the transmissive display screen and the glass panel; and
the bulk diffuser is bonded to a surface of the anti-glare front layer opposite the textured surface using an index matched epoxy.

66. (New) The system of claim 65 further comprising:
- a plurality of elongated lamps positioned behind the transmissive display screen;
 - a diffuser screen positioned between the display screen and the plurality of elongated lamps; and
 - a reflector panel positioned behind the plurality of elongated lamps.
67. (New) The system of claim 5 wherein:
- the bulk diffuser is positioned between, and bonded to, both the transmissive display screen and the transparent panel;
 - the anti-reflective surface is a surface textured to diffuse ambient light; and
 - the bulk diffuser is bonded to a surface of the anti-glare front layer opposite the textured surface using an index matched epoxy.
68. (New) The system of claim 67 further comprising:
- a plurality of elongated lamps positioned behind the transmissive display screen;
 - a diffuser screen positioned between the display screen and the plurality of elongated lamps; and
 - a reflector panel positioned behind the plurality of elongated lamps.
69. (New) The system of claim 15 wherein:
- the display screen comprises a liquid crystal display;
 - the transparent panel comprises a transparent glass panel having a surface textured to diffuse ambient light and having the textured surface coated with an anti-reflective coating; and
 - the bulk diffuser is bonded to a surface of the anti-glare front layer opposite the textured surface using an index matched epoxy.

70. (New) The system of claim 69 further comprising:

a plurality of elongated lamps positioned behind the transmissive display screen;

a diffuser screen positioned between the display screen and the plurality of elongated
lamps; and

a reflector panel positioned behind the plurality of elongated lamps.